

Assistant/Associate Professor in Geotechnical and
Geoinformatics Engineering
University of Utah

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Posted Sep. 25, 2020, set to expire Jan. 26, 2021

Job Title	Assistant/Associate Professor in Geotechnical and Geoinformatics Engineering
Department	Civil & Environmental Engineering https://www.civil.utah.edu/
Institution	University of Utah Salt Lake City, Utah
Date Posted	Sep. 25, 2020
Application Deadline	Oct. 19, 2020
Position Start Date	Jan. 1, 2021
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Geotechnical Civil Engineering
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Job Description

The Department of Civil and Environmental Engineering (CVEEN) at the University of Utah invites applications for a 9-month, tenure-track faculty position in the area of Geotechnical and Geoinformatics Engineering with an anticipated start date as early as January 1, 2021. This position is anticipated to be filled at the Assistant Professor level although outstanding candidates at the Associate Professor level are encouraged to apply. This position is part of the University of Utah's priority to build a diverse faculty; thus, female and minority candidates are strongly encouraged to apply.

Position Description - The successful applicant will be required to develop an externally-funded research program, teach undergraduate and online graduate courses in Civil, Environmental and Construction Engineering, mentor undergraduate and graduate students, produce scholarly

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publications, collaborate with other faculty on professional development interests, and provide departmental, college and university service. An earned Ph.D. degree in Civil Engineering or a closely related discipline before the date of hire is required. Strong communication skills and the ability to work collegially and collaboratively with diverse internal and external constituencies are also necessary. A PE is highly desirable.

Driven by the need to provide cost effective solutions to increasingly complex challenges of aging infrastructure renovation and development of new facilities for expanding populations, significant changes in the fields of geotechnical engineering are occurring. New cutting-edge geodesy tools and remote sensing methodologies are being developed to accurately and efficiently evaluate geotechnical engineering aspects of landslides, embankment 'cut and fill' volumes, and extreme events such as debris flows and seismic damages. To address the challenge of combining these large and diverse data sets into usable knowledge, advanced artificial intelligence and deep learning techniques are needed. Thus, we seek applicants that have expertise in one or more of the following geotechnical/geoinformatics areas: system simulation and data integration in cyberinfrastructure, machine learning in geotechnical environments, virtual and augmented reality of terrestrial systems, informatics related to smart and sustainable building infrastructure systems, geo-energy applications, and hazard resilient civil infrastructure rehabilitation.

Candidates with strong core fundamentals that allow them to work across disciplinary boundaries are particularly encouraged to apply. We are seeking highly motivated team players looking to help advance our exciting undergraduate and graduate engineering programs and contribute to the Department's online education efforts.

Part of the Pac-12 Conference, the University of Utah is a Carnegie Research-Extensive University located in Salt Lake City at the foothills of the beautiful Wasatch Mountains. Founded in 1850, the University of Utah now enrolls over 32,000 undergraduate and graduate students. The area experiences the four seasons and is known for world-class outdoor recreational activities including skiing, hiking, and biking. The State of Utah has more national parks and scenic areas than any other state. Growth in transportation, energy, mining, software, semiconductors, finance, education, healthcare, and business job sectors have contributed to the State's prosperity, despite the difficult national economy.

The CEE department is one of seven rapidly growing departments within the College of Engineering (COE). Since 2003, the number of tenure-track faculty positions has grown by over 50%, COE enrollment has nearly doubled to approximately 5,500 students, and research expenditures have more than tripled to \$95.1 million per year, placing our College in the top 30 engineering universities in the country for research volume and the University at the forefront of technology-based spin offs. The

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CVEEN Department currently has 23 tenure track faculty members and approximately 100 full-time graduate students and 250 undergraduate students. The department has an active research program with over \$17 million in external funding in 2018. Additional information about the Department is available at: www.civil.utah.edu.

Application Process - Electronic application materials (pdf format) should include a cover letter, curriculum vitae, separate statements of research and teaching interests, up to three (3) relevant publications, and contact information for five references. Application materials must be submitted electronically at <http://utah.peopleadmin.com/postings/107655>. Initial screening of applicants will begin October 19, 2020 although applications will be accepted and reviewed until the position is filled.

EEO/AA Policy

The University of Utah is fully committed to affirmative action and to its policies of nondiscrimination and equal opportunity in all programs, activities and employment with regard to race, color, national origin, sex, age, status as a person with a disability, religion, sexual orientation and status as a veteran or disabled veteran. The University seeks to provide equal access to its programs, services and activities for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Evidence of practices not consistent with these policies should be reported to the Office of Equal Opportunity and affirmative Action (801) 581-8365 (V/TDD). The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Steven Burian
Civil & Environmental Engineering
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